TABLES

Main Compounds of Concern

TABLE 1

Main Compounds of Concern (COCs)			
	Trichloroethene (TCE)		
	Tetrachloroethene / Perchloroethene (PCE)		
	Trichlorofluoromethane (Freon 11)		
	1,1,2-Trichloro-1,2,2,-trifluoroethane (Freon 113)		
Volatile Organic	1,1-Dichloroethene (1,1-DCE)		
Compounds	cis-1,2-Dichloroethene (cis-1,2-DCE)		
Compounds	chloroform		
	carbon tetrachloride		
	1,1-Dichloroethane (1,1-DCA)		
	1,2-Dichloroethane (1,2-DCA)		
	1,1,2-Trichloroethane (1,1,2-TCA)		
Other	1,4-dioxane		
Other	hexavalent chromium		

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TABLE 2
SUPPLEMENTAL OU2 SOURCE IDENTIFICATION, LEADING EDGE INVESTIGATION WORK AREA VICINITY

MAP ID	DATABASE ^{1,2}	DATABASE ID	SITE NAME	ADDRESS
1	Geotracker	T10000004356	7 ELEVEN RETAIL CONVENIENCE STORE	13203 TELEGRAPH ROAD, SANTA FE SPRINGS
2	Geotracker	T10000006363	76 FUEL STATION	11651 TELEGRAPH RD, SANTA FE SPRINGS
3	Envirostor	71003644	ACCURIDE INTERNATIONAL	12311 SHOEMAKER AVENUE, SANTA FE SPRINGS
4	Geotracker	SL2041J1510	ALEXANDER BELL PROPERTY	10025 BLOOMFIELD AVE, NORWALK
5	Envirostor	71003584	ALL BLACK CO.	13090 PARK STREET, SANTA FE SPRINGS
6	Other	NA	AMITY INC	10926 PAINTER AVE, SFS CA 90670
7	Envirostor	19750080	ATLAS RADIATOR, INCORPORATED	10110 NORWALK BLVD, SANTA FE SPRINGS
8	Other	NA	B&R FINISHING CO	13560 TELEGRAPH RD, WHITTIER, CA 90605
9	Geotracker	T0603701550	BAKER PETROLITE CORPORATION (same address as Baker Performance Chemicals)	11808 BLOOMFIELD AVE S, SANTA FE SPRINGS
10	Geotracker	T0603701563	BALBOA-PACIFIC BUSI.(FORMER)	11240 BLOOMFIELD AVE, SANTA FE SPRINGS
11	Both	60000159	BEAUMON TRUST PROPERTY	12525 PARK AVENUE, SANTA FE SPRINGS
12	Geotracker	T0603799560	BLOOMFIELD BUSINESS CENTER	11020 BLOOMFIELD, SANTA FE SPRINGS
13	Other	NA	BRENNTAG PACIFIC	10747 PATTERSON PLACE SFS, CA 90670
14	Geotracker	T0603701574	BROTHERS AUTO	10801 NORWALK BLVD, SANTA FE SPRINGS
15	Both	T0603703121	CALIFORNIA INDUSTRIAL PRODUCTS	11525 SHOEMAKER AVE, SANTA FE SPRINGS
16	Geotracker		CAMALL TRUCKING	11333 GREENSTONE AVE, SANTA FE SPRINGS
17	Geotracker	T0603702916	CERRITOS YARD	12015 SHOEMAKER AVE, SANTA FE SPRINGS
18	Geotracker	T0603705255	CERTIFIED LIFE TRUCK CO	10105 SHOEMAKER AVE, SANTA FE SPRINGS
19	Geotracker	T0603705376	CHARLES L GODBEY	10840 NORWALK BLVD S, SANTA FE SPRINGS
20	Geotracker		CHEVRON - CONARD SITE	SHOEMAKER AVE, SANTA FE SPRINGS
21	Geotracker	T0603702757	CHEVRON #9-5306	12155 TELEGRAPH RD, SANTA FE SPRINGS
22	Geotracker		CIRCLE K LIC DEPT #3064	11462 SLAUSON AVE E, SANTA FE SPRINGS
23	Geotracker	T0603791333	CIRCLE K STORE #5234	12105 PIONEER BLVD S, NORWALK
24	Geotracker	T0603703815	CITY OF NORWALK	12700 NORWALK BLVD S, NORWALK
25	Geotracker	T0603702900	CITY OF NORWALK MAINT. YARD	12735 CIVIC CENTER DR, NORWALK
26	Envirostor		CITY OF NORWALK TRANSPORTATION YARD	12737 CIVIC CENTER DRIVE, NORWALK
27	Geotracker		CITY OF SANTA FE SPRINGS	11400 GREENSTONE, SANTA FE SPRINGS
28	Geotracker		CITY OF SANTA FE SPRINGS	BLOOMFIELD AVE, SANTA FE SPRINGS
29	Geotracker		CITY OF SANTA FE SPRINGS F.D.	11736 TELEGRAPH RD E, SANTA FE SPRINGS
30	Geotracker		CITY OF SANTA FE SPRINGS FIRE-RESCUE	11300 GREENSTONE AVE, SANTA FE SPRINGS
31	Geotracker		CON'S WOOD PRODUCTS (FORMER)	11831 SHOEMAKER AVE, SANTA FE SPRINGS
32	Geotracker		CON-WAY WESTERN EXPRESS LK #2	12903 LAKELAND RD E, SANTA FE SPRINGS
33	Geotracker		COPP PAVING CO.	11927 GREENSTONE AVE S, SANTA FE SPRINGS
34	Geotracker		FETTER'S TRANSPORTATION	11910 GREENSTONE AVE S, SANTA FE SPRINGS
35	Geotracker	T0603703125	FIRESTONE	12225 IMPERIAL HWY E, NORWALK
36	Geotracker		FORMER RIVERSIDE STEEL SITE	11401 GREENSTONE AVENUE, SANTA FE SPRINGS
37	Envirostor	71003318	GALAXY BRAZING CO., INC SANTA FE SPRINGS	10015 FREEMAN AVENUE, SANTA FE SPRINGS
38	Geotracker		GEMINIS PROPERTY DEVELOPMENT	11212 NORWALK S, SANTA FE SPRINGS
39	Geotracker		GOLDEN SHELL	12843 NORWALK BLVD S, NORWALK
40	Both		HALLIBURTON ENERGY SERVICES (FORMER)	12320 SOUTH BLOOMFIELD AVE, SANTA FE SPRINGS
41	Geotracker		HERITAGE CORPORATE CENTER	10445 NORWALK BLVD S, SANTA FE SPRINGS
42	Geotracker		IBM BUILDING	12501 IMPERIAL HWY E, NORWALK
43	Envirostor	19240002	IMPERIAL ANCHOR PALLET	12246 PARK AVENUE, SANTA FE SPRINGS

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TABLE 2
SUPPLEMENTAL OU2 SOURCE IDENTIFICATION, LEADING EDGE INVESTIGATION WORK AREA VICINITY

MAP ID	DATABASE ^{1,2}	DATABASE ID	SITE NAME	ADDRESS
44	Other	NA	IMPERIAL HONING	10030 GREENLEAF AVE, SFS CA 90670
45	Geotracker	SLT43330328	JOHN ALEXANDER CO.	12040 E. FLORENCE AVE, SANTA FE SPRINGS
46	Envirostor	19820103	JOHN GLENN HIGH SCHOOL EXPANSION	13520 SHOEMAKER AVENUE, NORWALK
47	Geotracker	T10000004450	Kalico Dump No. 1	11921 Shoemaker, Santa Fe Springs
48	Geotracker		KEDDAWAY TRUCK LINES	12133 GREENSTONE AVE S, SANTA FE SPRINGS
49	Envirostor	60000424	KELLY PIPE CO., LLC	11700 BLOOMFIELD, SANTA FE SPRINGS
50	Geotracker	T0603703236	KEYSTONE FORD	11729 IMPERIAL HWY E, NORWALK
51	Geotracker	T0603703016	K-MART	13131 TELEGRAPH RD E, SANTA FE SPRINGS
52	Envirostor	19830006	LA CTRS FOR ALCOHOL AND DRUG ABUSE	11015 BLOOMFIELD AVENUE, SANTA FE SPRINGS
53	Envirostor	60000908	LAKEVIEW PARK RECREATION FACILITY	JOSLIN STREET AND JERSEY AVENUE, SANTA FE SPRINGS
54	Other	NA	LEWIS INDUSTRIES	10024 GEARY AVE, SFS CA 90670
55	Envirostor	19281191	LIFE PAINT COMPANY	12911 SUNSHINE AVENUE, SANTA FE SPRINGS
56	Geotracker	T0603704049	LITTLE LAKE CITY SCHOOL DIST.	10515 PIONEER BLVD S, SANTA FE SPRINGS
57	Other	NA	LITTLE LAKE DEVELOPMENT	12046 FLORENCE AVE, SFS CA 90670
58	Envirostor	71003793	LOS ANGELES SERVICE CENTER	9920 FREEMAN AVE, SANTA FE SPRINGS
59	Geotracker	T0603704018	MC MULLEN OIL COMPANY	10530 SHOEMAKER AVE, SANTA FE SPRINGS
60	Geotracker		MCGRANAHAM COMMERCE CTR II	BLOOMFIELD AVE, SANTA FE SPRINGS
61	Geotracker		MOBIL #11-F20	12616 IMPERIAL HWY, NORWALK
62	Geotracker		MONTGOMERY WARDS	12051 IMPERIAL HWY E, NORWALK
63	Other	NA	MOTORCAR PARTS & ACCESSORIES	10430 SLUSHER DR, SFS CA 90670
64	Geotracker		NIXON-EGLI EQUIPMENT	12030 CLARK ST, SANTA FE SPRINGS
65	Envirostor		NO (SAME ADDRESS AS NEVILLE CHEMICAL)	12800 IMPERIAL HWY, SANTA FE SPRINGS
66	Envirostor		NORWALK AF POL DISTRICT	NORWALK
67	Geotracker		NORWALK, CITY OF	13900 NORWALK BLVD, NORWALK
68	Other	NA	P&B MANUFACTURING	12131 SHOEMAKER AVE, SFS CA 90670
69	Other	NA	PALACE CLEANERS	12307 NORWALK BLVD, NORWALK, CA
70	Geotracker	T10000001907		9911 NORWALK, SANTA FE SPRINGS
71	Envirostor	19340724	PLATE SHOP, THE	10701 FOREST STREET, SANTA FE SPRINGS
72	Both		PMC SPEC INC	10051 ROMANDEL AVENUE, SANTA FE SPRINGS
73	Geotracker		PMC SPECIALTIES	10733 PAINTER AVE S, SANTA FE SPRINGS
74	Envirostor	19300236	POLYMER CONCEPTS	12830 IMPERIAL HIGHWAY, SANTA FE SPRINGS
75	Geotracker		PORVENE MCKEE	12740 LAKELAND RD, SANTA FE SPRINGS
76	Other	NA	PRECISION CONTROL FINISHING	12150 S. BLOOMFIELD AVE, SFS CA 90670
77	Envirostor	71002884	PRECISION TUBE BENDING	13626 TALE STREET, SANTA FE SPRINGS
78	Envirostor		PRODUCTOL, INC.	10051 ROMANDEL AVE., SANTA FE SPRINGS
79	Geotracker		RAMCO FIRE PROTECTION	13105 LAKELAND RD, SANTA FE SPRINGS
80	Geotracker	T0603702796	REBAR ENGINEERING, INC.	10706 PAINTER AVE S, SANTA FE SPRINGS
81	Envirostor		REGIONAL PUBLIC SAFETY TRAINING CENTER	11400 GREENSTONE AVENUE, SANTA FE SPRINGS
82	Envirostor		REGIONAL PUBLIC SAFETY TRAINING CENTER PARCEL #2	11400 SHOEMAKER AVENUE, SANTA FE SPRINGS
83	Geotracker		S E PIPELINE CONSTRUCTION CO	11832 BLOOMFIELD AVE, SANTA FE SPRINGS
84	Geotracker		SHELL #204-5472-0309	11755 IMPERIAL BLVD E, NORWALK
85	Geotracker		SHELL #204-6960-0405	13203 TELEGRAPH RD E, SANTA FE SPRINGS
86	Geotracker		SHELL SERVICE STATION	11755 IMPERIAL HWY NORWALK
87	Geotracker		SILVEY TRANSPORTATION (FORMER)	12027 GREENSTONE AVE, SANTA FE SPRINGS

TABLE 2
SUPPLEMENTAL OU2 SOURCE IDENTIFICATION, LEADING EDGE INVESTIGATION WORK AREA VICINITY

MAP ID	DATABASE ^{1,2}	DATABASE ID	SITE NAME	ADDRESS
88	Envirostor	71002233	SONIC PLATING CO., INC SANTA FE SPRINGS	13002 LOS NIETOS ROAD, SANTA FE SPRINGS
89	Geotracker	T0603704058	SOUTH PACIFIC STEEL	9835 SANTA FE SPRINGS RD, SANTA FE SPRINGS
90	Geotracker	T0603705286	SOUTH WHITTIER SCHOOL DISTRICT	10120 PAINTER AVE, SANTA FE SPRINGS
91	Other	NA	SPACE AGE CHEMICALS	13009-G LOS NIETOS RD, SFS CA 90670
92	Envirostor	19990018	STANKOVICH II	12601 BLOOMFIELD, SANTA FE SPRINGS
93	Geotracker	SLT43332330	STATE FARM INSURANCE	GEARY AVE, SANTA FE SPRINGS
94	Geotracker	T0603703930	STEEL FORM CONTRACTING	12021 SHOEMAKER AVE S, SANTA FE SPRINGS
95	Geotracker	T0603704722	STRECKER CONSTRUCTION CO	11922 BLOOMFIELD AVE, SANTA FE SPRINGS
96	Geotracker	T0603703612	SUNRISE LANDSCAPE	12542 CLARK AVE, SANTA FE SPRINGS
97	Geotracker	T0603704119	SUPERIOR OIL TOOL	12180 FLORENCE AVE E, SANTA FE SPRINGS
98	Geotracker	SLT4L1961777	TORCO USA LUBRICANT (FORMER)	12247 LAKELAND ROAD, SANTA FE SPRINGS
99	Geotracker	T0603705012	TOSCO - 76 STATION #6916 (FORMER)	12205 IMPERIAL HWY E, NORWALK
100	Both	19280771	TOXO SPRAY DUST COMPANY	12651 LOS NIETOS ROAD, SANTA FE SPRINGS
101	Geotracker	T0603703940	TRANSIT MIXED CONCRETE COMPANY	12222 FLORENCE AVE E, SANTA FE SPRINGS
102	Envirostor	71003689	TRIDENT PLATING, INC.	10046 ROMANDEL AVENUE, SANTA FE SPRINGS
103	Envirostor	71002926	TROJAN BATTERY CO CLARK ST FAC	12380 CLARK STREET, SANTA FE SPRINGS
104	Geotracker	SLT43365363	UNOCAL - CENTRAL S.F.S.O.F.	12404 MCCANN DR, SANTA FE SPRINGS
105	Geotracker	T0603703176	UNOCAL #5435	11651 TELEGRAPH RD, SANTA FE SPRINGS
106	Envirostor	19290245	WALKER PROPERTIES	SW CORNR OF BLOOMFIELD AVE & LAKELAND RD, SANTA FE SPRINGS
107	Geotracker	T0603703246	WALKER-TURNER PROPERTY	SW CORNR OF BLOOMFIELD AVE & LAKELAND ROAD, SANTA FE SPRINGS
108	Geotracker	T0603701570	WASTE MANAGEMENT PORTABLES	10600 PAINTER AVE, SANTA FE SPRINGS
109	Other	NA	WESTERN ALLIED	12046 E FLORENCE AVE, SFS CA 90670
110	Other	NA	WHITING ENTERPRISES	10140 ROMANDEL AVE, SFS CA 90670
111	Envirostor	19270327	WHITTIER ENGRAVING COMPANY	12631, 12633, 12637 LOS NIETOS ROAD, SANTA FE SPRINGS
112	Envirostor	80001174	WILSHIRE OIL CO.	, SANTA FE SPRINGS
113	Geotracker	T0603704169	WMC GRINDING	11813 SHOEMAKER AVE, SANTA FE SPRINGS
114	Geotracker	SLT4L7671866	YELLOW FREIGHT SYSTEMS	12250 EAST CLARK AVE., SANTA FE SPRINGS
115	Geotracker	SLT4304644	YOZYA MANAGEMENT	10600 SHOEMAKER AVE, SANTA FE SPRINGS

¹ Geotracker, Envirostor or Both: Downloaded databases on July 11, 2016 from followings sites: http://geotracker.waterboards.ca.gov/data_download.asp and http://www.envirostor.dtsc.ca.gov/public/data_download.asp. Note: did not include source/potential source sites that were outlined in Remedial Investigation (RI) Report (CH2M Hill, 2010), refer to document text for listing of RI Report sources/potential sources.

NA Not applicable

Other sites identified based on review of historical state and local agency records including but not limited to the South Coast Air Quality Management District, the Los Angeles Department of Public Works, the Santa Fe Springs Fire Department, the Los Angeles County Fire Department, the Santa Fe Springs Fire Department, the Los Angeles County Fire Department Fi

Step 1 - Problem	Statement / Objective	There is a need to evaluate the groundw	vater chemistry and vertical gradients at three locations within the I	LE Area as specified in the SOW to a depth o	f 500 feet bgs.	
Step 2 - Principal	Principal Study Goals	Determine the appropriate screen intervals for the wells in each LEI monitoring well cluster.	2. Characterize the vertical distribution of COCs in the LEI monitoring wells.	3. Characterize the vertical groundwater gradients in the LE Area.		
Study Goals	Potential Outcomes	Select up to five screen interval depths for the installation of monitoring wells at each LEI monitoring well cluster location	Collect samples for laboratory analysis to obtain COC data from the LEI monitoring wells to further characterize the vertical extent of COCs in the LE Area	Measure groundwater elevations in the LEI movertical gradients at each monitoring well clust	onitoring wells and Koontz Well to evaluate the	
	Needed Information	Lithologic logs including field observations of drill rig behaviors and geophysical logs; natural gamma; spontaneous potential, 16-inch normal resistivity, 64-inch normal resistivity, lateralog-3, and caliper/borehole volume at an exploratory boring at each LEI monitoring well cluster location. The existing hydrogeologic CSMs including the LE area prepared by EPA, DWR, and USGS.	chloroform, carbon tetrachloride, 1,1-DCA, 1,2-DCA, 1,1,1-TCA, 1,4-	Depth to water and top of casing point of references. Koontz Well	ence elevation at LEI monitoring wells and	
Step 3 - Inputs to	Source of Needed Information or Data	Field notes on lithologic logging of borings at LEI monitoring well cluster locations. Geophysical logs of the exploratory boring at each LEI well cluster location.	Groundwater samples collected for three quarterly monitoring events from LEI monitoring wells following installation	Depth to water measurements performed in the LEI monitoring well clusters during three quarterly monitoring events following installation. Water levels collected with transducer data for a period of at least one month in the LEI monitoring well clusters and the Koontz well cluster.		
the Decision	Action Levels	NA	MCLs: TCE (5μg/L), PCE (5μg/L), Freon 11 (150μg/L), Freon 113 (1,200μg/L), 1,1-DCE (6μg/L), cis-1,2-DCE (6μg/L), chloroform (80μg/L*), carbon tetrachloride (0.5μg/L), 1,1-DCA (5μg/L), 1,2-DCA (0.5μg/L), 1,1,1-TCA (200μg/L), and hexavalent chromium (10μg/L) NL: 1,4-dioxane (1μg/L)	NA		
	Field Methods	Lithologic logging of drill cuttings. observations of drill rig behavior including speed and drill chatter, and geophysical logging	Groundwater sampling from LEI monitoring wells	Water level measurements and surveying at LEI monitoring wells	Collection of pressure transducer data and surveying at LEI monitoring wells	
	Analytical Methods	Geophysical logs: natural gamma; spontaneous potential, 16-inch normal resistivity, 64-inch normal resistivity, lateralog-3, and caliper/borehole volume	VOCs by EPA Method 8260B Hexavalent chromium by EPA Method 218.6 1,4-dioxane by EPA Method 8270C SIM	NA		

		Target Population					
	Coarse grained depth intervals up to 500 ft bgs in the LEI monitoring well cluster locations	Three LEI monitoring well clusters that will characterize the distribution of contaminated groundwater in the LE Area up to 500 feet bgs. Groundwater samples will be collected in a sufficient volume to analyze for compounds and constituents listed in Step 3.	The three LEI monitoring well clusters for three quarters of water level measurements and the LEI and Koontz well cluster for transducer data collection.				
		<u>Spatial Boundaries</u>					
	The spatial boundaries for the LEI are specified in Attachment C of the Cor	nsent Decree. Monitoring wells and depths to be monitored include three	e new well clusters installed as part of the LEI, all	screened intervals up to a depth of 500 feet.			
Ston A. Study Doundonies		<u>Temporal Boundaries</u>					
Step 4 - Study Boundaries	To be initiated upon EPA approval of the LEI Work Plan	To be initiated upon completion of installation and development at each LEI monitoring well cluster and conducted for three quarters.	and development at each LEI monitoring well	To be initiated upon EPA approval of the LEI work plan. Each well cluster to be monitored for a period of at least one month.			
	Potential Practical Constraints						
	Obtaining access and permits to drill and install the LEI monitoring wells, the locations of buildings and utilities, city and/or county regulations on work hours Well access constraints, damaged wells, insufficient water in wells for sampling						
	Parameter that Characterizes Population of Interest						
	The parameters that characterize the population of interest are individual data points (water levels and COC concentrations) measured at LEI monitoring wells						
		Action Levels for Study					
	NA Action levels are presented in Step 3. NA **Reporting Limits**						
<u>Step 5</u> - Decision Rules/Analytic Process	NA	The reporting limits are lower than the action levels (Step 3). TCE (0.50μg/L), PCE (0.50μg/L), Freon 11 (0.50μg/L), Freon 113 (0.50μg/L), 1,1-DCE (0.50μg/L), cis-1,2-DCE (0.50μg/L), chloroform (0.50μg/L), carbon tetrachloride (0.50μg/L), 1,1-DCA (0.50μg/L), 1,2-DCA (0.50μg/L), 1,1,1-TCA (0.50μg/L), 1,4-dioxane (1.0μg/L), and hexavalent chromium (1.0μg/L)	NA				

		Analytic Process/Decision Rule	
Step 5 - Decision Rules/Analytic Process (continued)	The deepest well in LEI Monitoring Well Clusters 1 and 2 will be screened in the deepest coarse grained layer greater than 10 feet in thickness observed in the exploratory boring to a maximum depth of 500 feet. The deepest coarse grained layer will be identified by the California Professional Geologist supervising the work based on review of the exploratory boring lithologic and geophysical logs. A brief transmittal will be prepared to convey the selected well depth intervals and supporting data to EPA for review and approval. Up to four additional well screen intervals will be selected at each of these two LEI monitoring well clusters to be screened in the coarse grained layers. These layers will be identified by the California Professional Geologist supervising the work based on review of the exploratory boring lithologic and geophysical logs for each LEI monitoring well cluster location and the hydrogeologic CSMs. A brief transmittal will be prepared to convey the selected well depth intervals and supporting data to EPA for review and approval. Following installation of LEI Monitoring Well Clusters 1 and 2 and review of the data collected from these wells, the location of LEI Monitoring Well Cluster 3 will be proposed for EPA review and approval. The process for selecting the screened intervals for this cluster will proceed as above.	Concentrations of COCs for the monitoring wells in the three LEI	Groundwater elevations for the monitoring wells in the three LEI monitoring well clusters will be presented in tables and figures.
Step 6 - Tolerable Limits on Decision Rules	Acceptance criteria include confirmation that field data are: (1) representative of the geophysical conditions that exist, (2) comparable to subsequent or previously collected data and consistent with the current understanding of the existing CSMs, (3) complete to the extent that necessary conclusions may be obtained, and (4) accurate at the levels that are appropriate for determining the location of coarse grained intervals for monitoring well installation. Errors will be minimized by adhering to the field QA/QC protocols established in the QAPP and FSP.	Acceptance criteria include confirmation that laboratory data are: (1) representative of the chemical conditions that exist, (2) comparable to subsequent or previously collected data, (3) complete to the extent that necessary conclusions may be obtained, and (4) of known statistical significance in terms of precision and accuracy, at the levels that are appropriate for evaluating COC distribution. Errors will be minimized by adhering to the field QA/QC protocols established in the QAPP and FSP.	Acceptance criteria include confirmation that measurements are collected accurately to within 0.01 foot by repeating the measurement at each well and preparing legible and accurate field notes. Errors will be minimized by adhering to the field QA/QC protocols established in the QAPP and FSP.

Step 7 - Plan for Obtaining Data		stabilized as described in the Water Quality Parameter Measurements SOP included in the FSP. All samples from the monitoring wells will	
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Notes:

μg/L: micrograms per liter

μg/kg: micrograms per kilogram

mg/L: milligrams per liter

mg/kg: milligrams per liter

mg/kg: milligrams per kilogram

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethane

1,1-TCA: 1,1,1-Trichloroethane

1,2-DCA: 1,2-Dichloroethane

COCs: chemicals of concern

CSMs: Conceptual Site Models

DWR: Department of Water Resources

EPA: Environmental Protection Agency

FSP: Field Sampling Plan

feet bgs: feet below ground surface Freon 11: trichlorofluoromethane

Freon 113: 1,1,2-Trichloro-1,2,2,-trifluoroethane

LE: Leading Edge

LEI: Leading Edge Investigation MCLs: maximum contaminant levels

NA: not applicable

NLs: notification levels OU2: Operable Unit 2 PCE: tetrachloroethene

QA/QC: quality assurance/quality control

QAPP: Quality Assurance Project Plan

ROD: Record of Decision

SOP: standard operating procedure

SOW: Statement of Work TCE: trichloroethene

USGS: United States Geological Survey VOC: volatile organic compound

References

California Code of Regulation Title 22. Sections 64431, 64444, 64449, and 64533. Last updated June 14, 2016
http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/lawbook/dwregulations-2016-06-14.pdf
Drinking Water Notification Levels and Response Levels: An Overview. Division of Drinking Water State Water Resources Control Board. February 4, 2015
http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/documents/notificationlevels/notificationlevels.pdf

^{* -} Total trihalomethanes = Bromodichloromethane, Bromoform, Chloroform, Dibromochloromethane

FIGURES

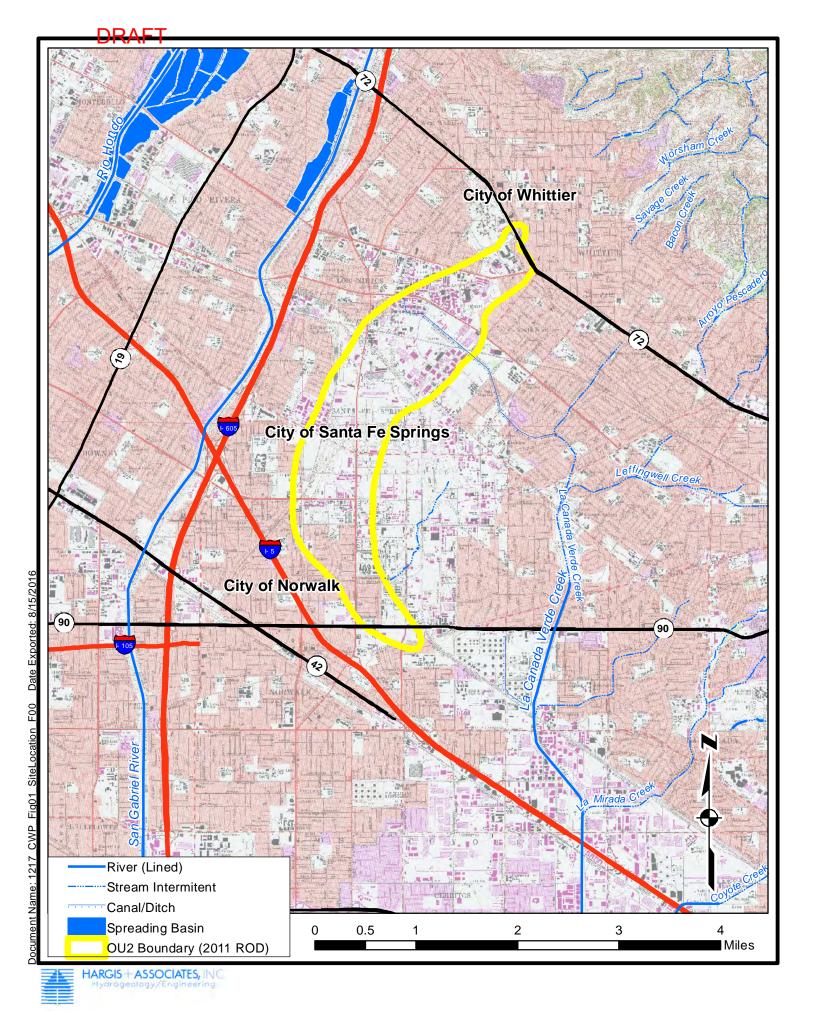


FIGURE 1. SITE LOCATION

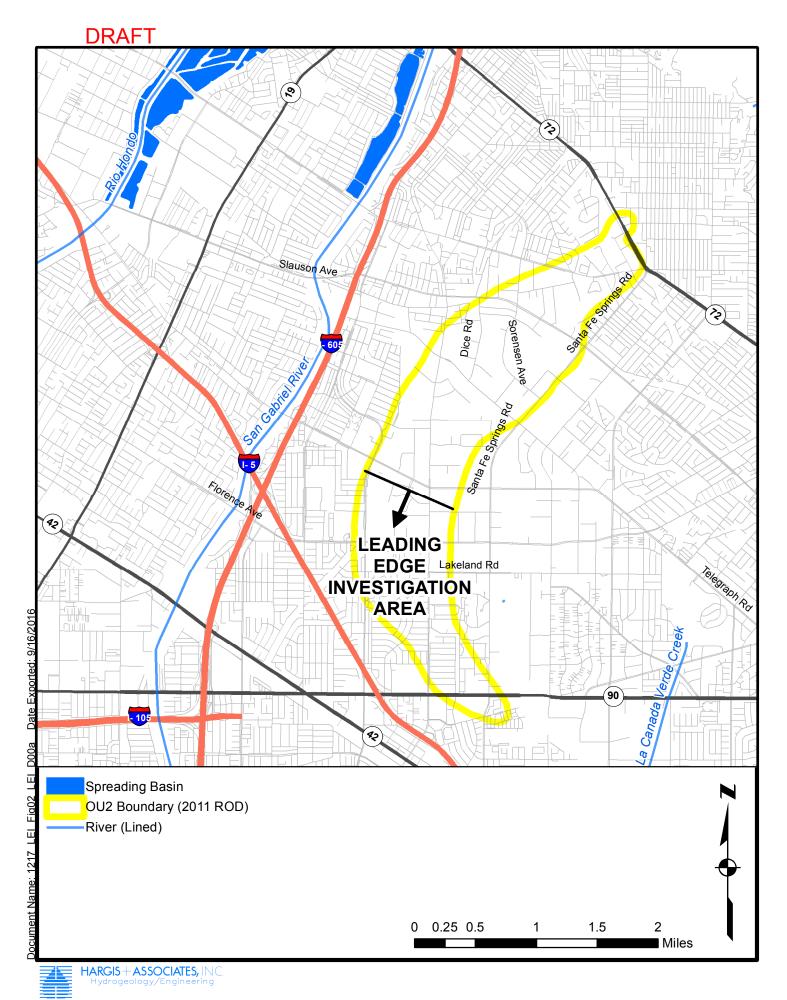
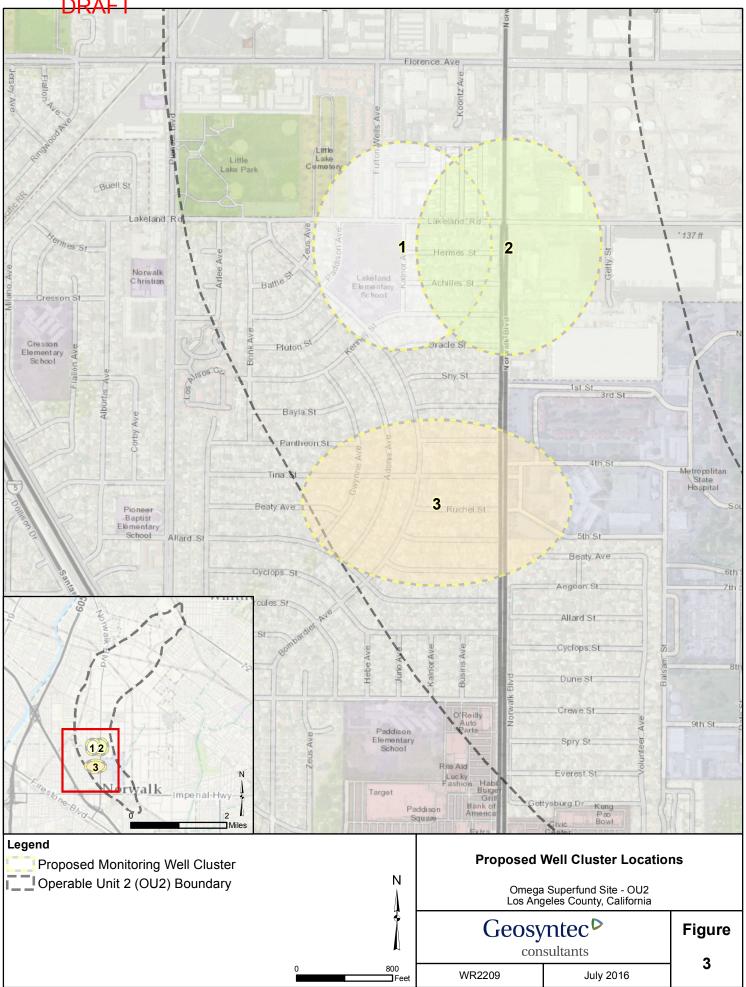
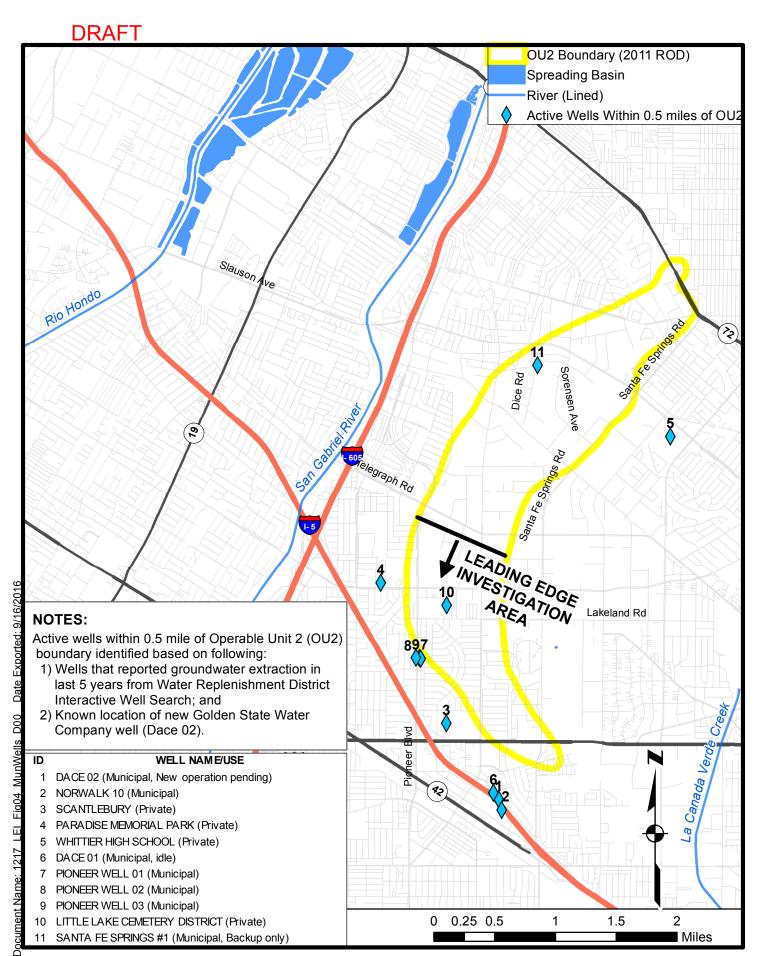
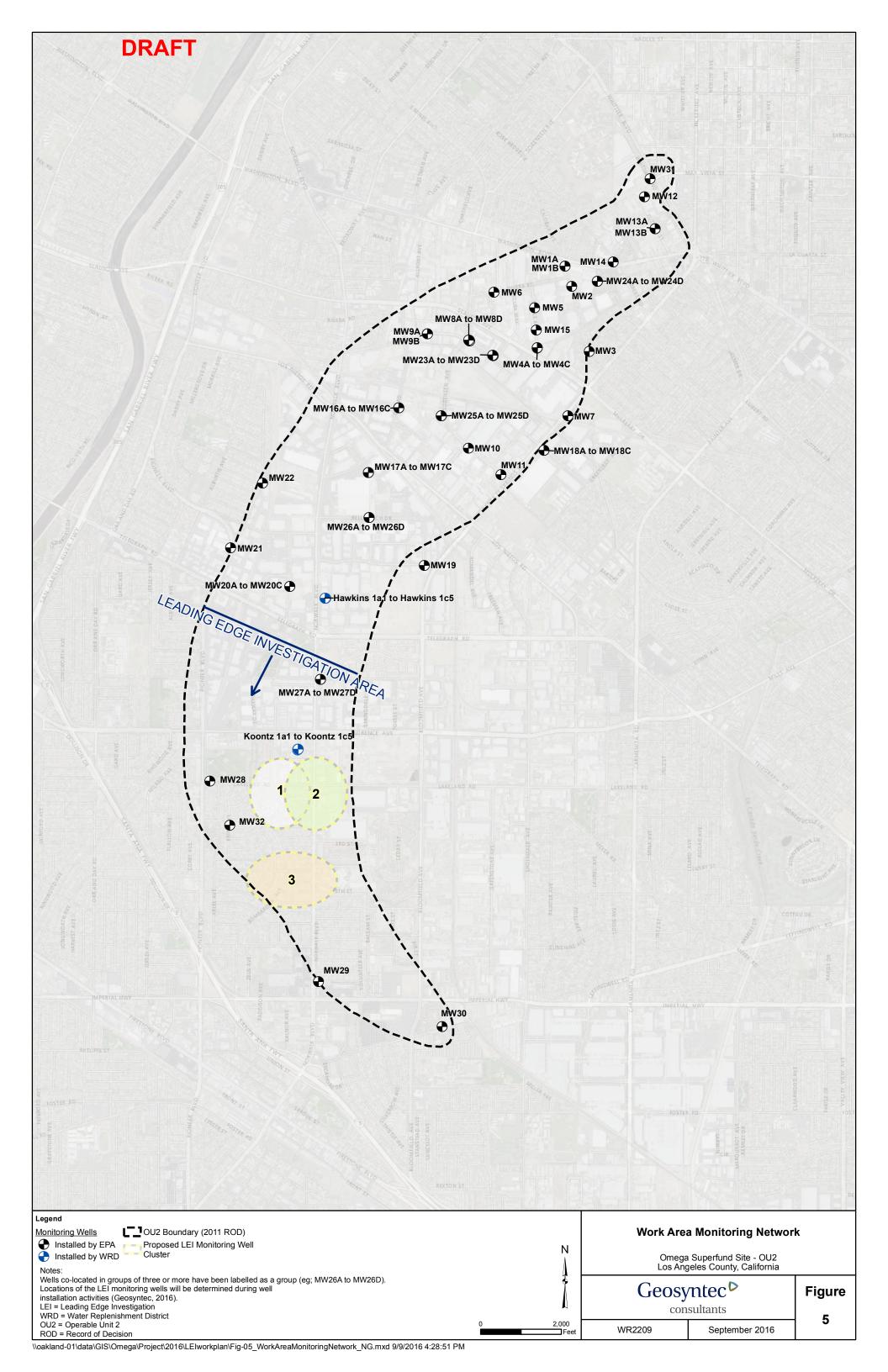


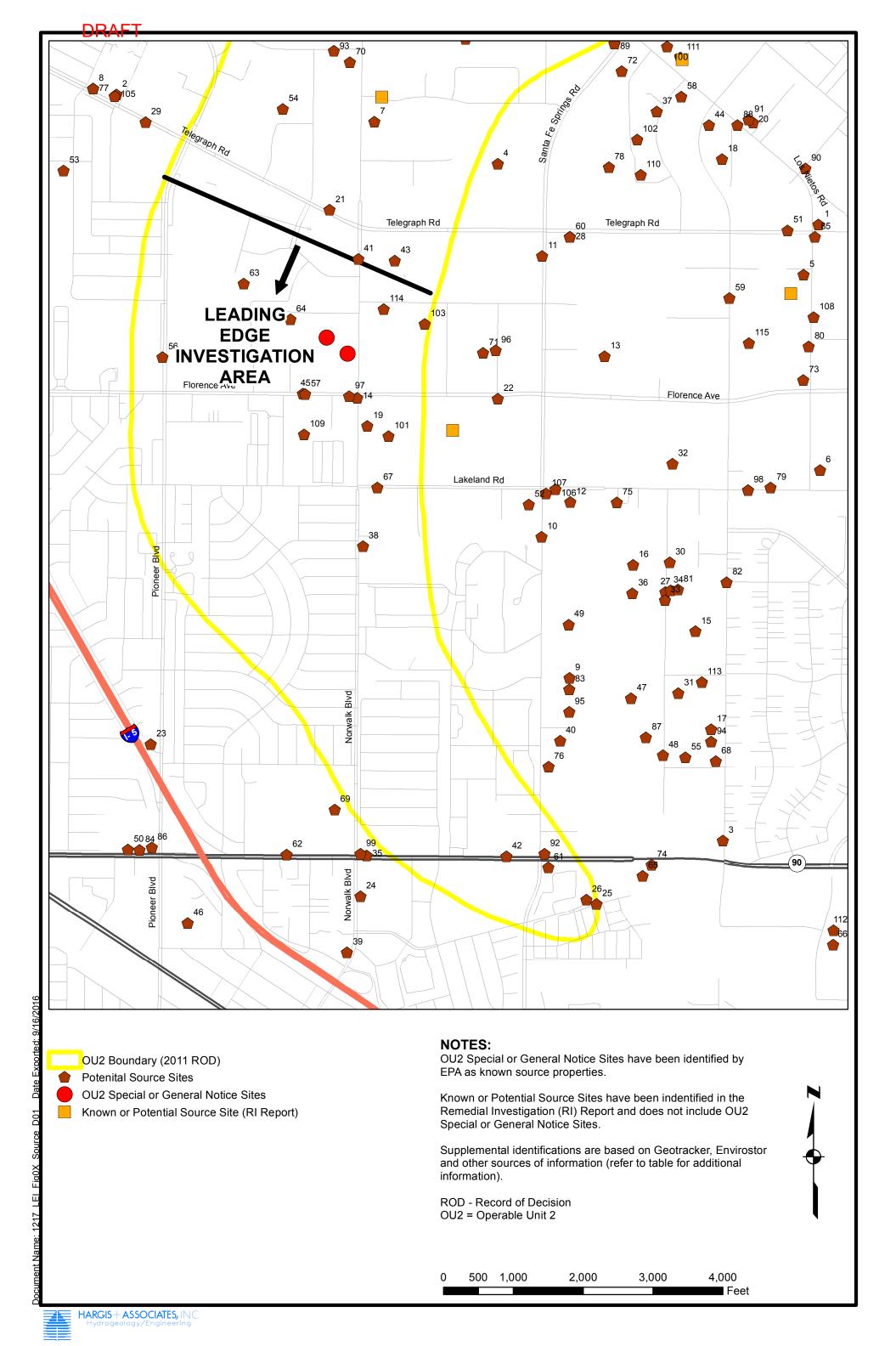
FIGURE 2. LEADING EDGE AREA











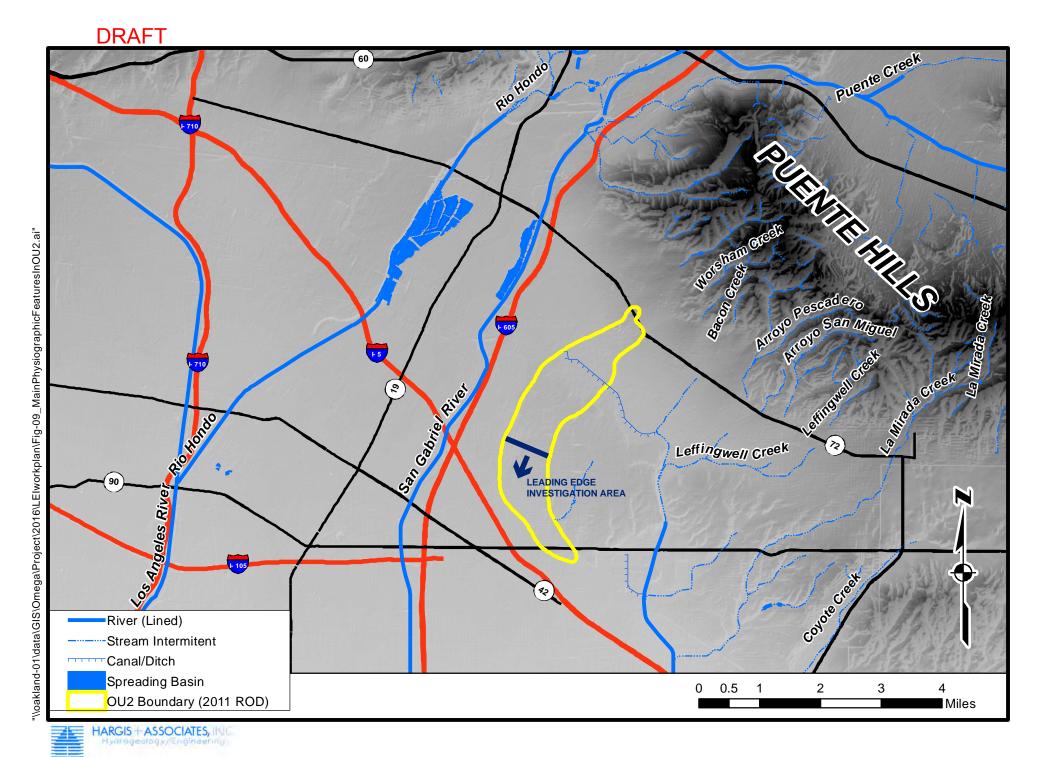
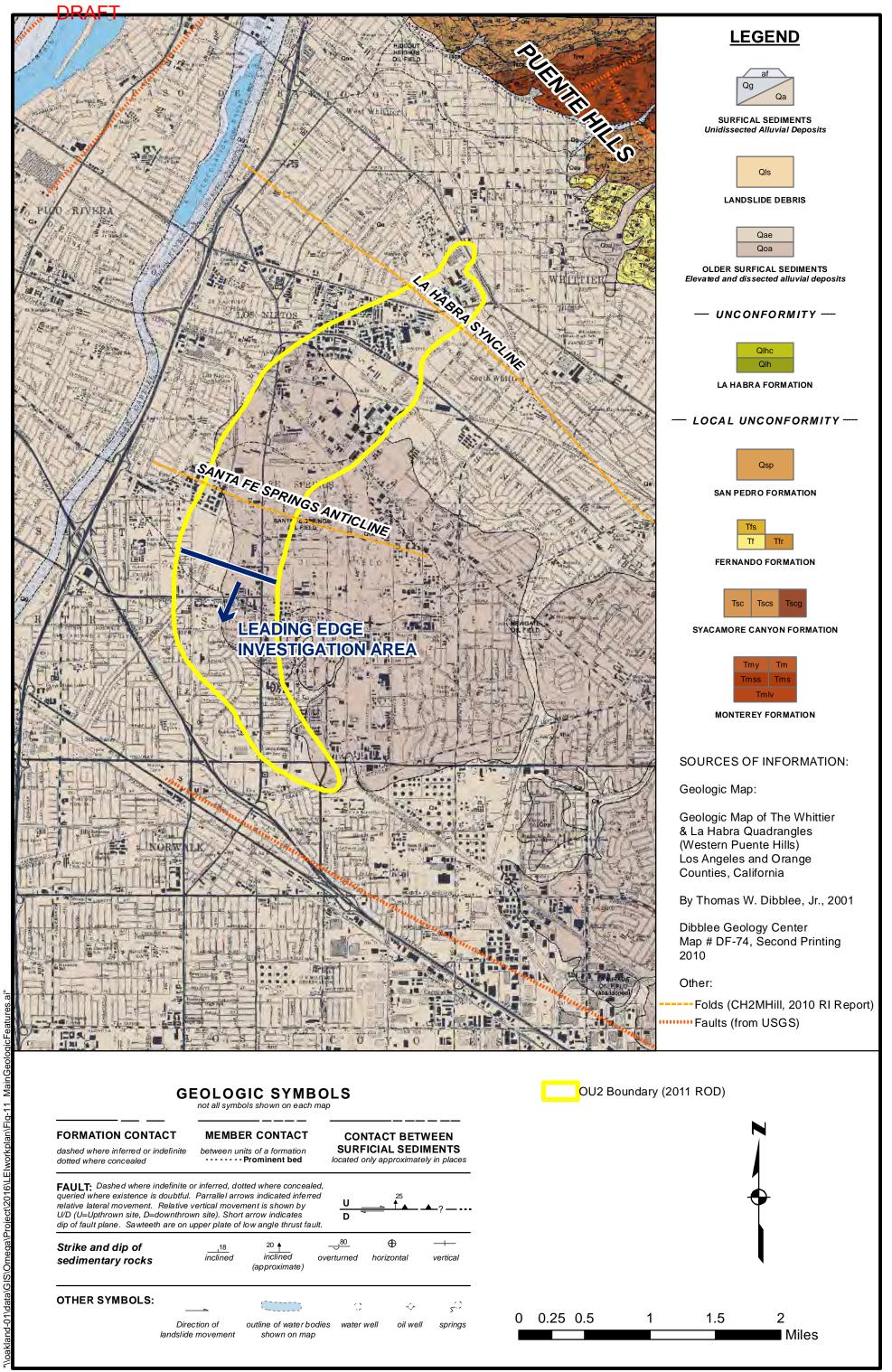


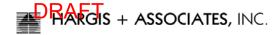
FIGURE 9. MAIN PHYSIOGRAPHIC FEATURES IN OU2

SYSTEM	SERIES	FORMATION	LITHOLOGY	AQUICLUDE	MAX. THICKNESS (FEET)	PREVIOUS FORMATION NAMES*	PREVIOUS AQUIFER NAMES#	PLATE
	RECENT	ALLUVIUM	0 2 9 0 0 0	SEMIPERCHED BELLFLOWER AQUICLUDE	60 140	ALLUVIUM	SEMIPERCHED	
		OLDER DUNE SAND	000000000000000000000000000000000000000	GASPUR BALLONA SEMIPERCHED BELLFLOWER AQUICLUDE	40	TERRACE COVER	GASPUR ^T "50 FOOT———————————————————————————————————	
	UPPER PLEISTOCENE	LAKEWOOD	000000000000000000000000000000000000000	EXPOSITION ARTESIA	140	PALOS VERDES SAND	SEMIPERCHED	
>		FORMATION	00000000000000000000000000000000000000	GARDENA GAGE	160	UPPER PLEISTOCENE	GARDENA†	LEGEND OF LITHOLOGY
AR		~unconformity~				LOCAL UNC	ONFORMITY	[0.000.0]
QUATERN	SAN LOWER PEDRO PLEISTOCENE FORMATION	SAN	E0 02 00 00 000	HOLLYDALE JEFFERSON	100	SAN "400 FOOT GRAVEL" PEDRO SILVERADO †	SAND	
ø			000000000000000000000000000000000000000	LYNWOOD	200		"400 FOOT GRAVEL"	CLAY OR
		PEDRO	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SILVERADO	500		SHALE	
				\$2000000000000000000000000000000000000	SUNNYSIDE	500	FORMATION	
TERTIARY	UPPER PLIOCENE	PICO FORMATION	<u> </u>	-UNCONFORMITY- UNDIFFERENTIATED		PICO FORMATION		*DESIGNATIONS AND TERMS UTILIZED IN "REPORT OF REFERSE" DATED JUNE 1932 PREPARED BY THE STATE ENGINEER COVERING THE WEST COAST BASIN †DESIGNATED AS "WATER BEARING ZONES" IN ABOVE NOTED REPORT OF REFEREE

Reprinted from California Department of Water Resources Bulletin 104, 1961, Plate 5.

FIGURE 10. GENERALIZED STRATIGRAPHIC COLUMN, COASTAL PLAIN OF LOS ANGELES COUNTY





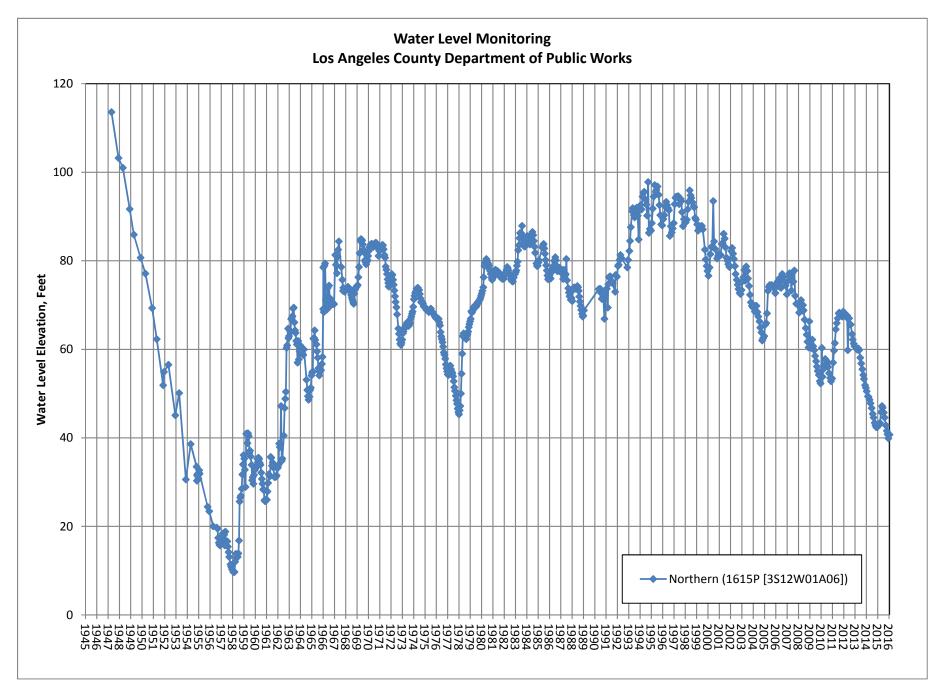


FIGURE 12. HISTORICAL GROUNDWATER HYDROGRAPH

Figure 13 LEI Work Plan Project Schedule Omega Superfund Site Operable Unit 2

